BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work: Modified Estimate For Providing Rain water harvesting facilities in Ward No.15, Dasarahalli, T.Dasarahalli Sub Division

Est Cost:10.00 Lakhs

Job Code:015-20-000012

Name of the work;Modified estimate for Providing Rain water harvesting Facilities in ward no;15 Dasarahalli Bagalagunte Sub division

Job Number: 015-20-000012							Est. Cost	10.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	Bl	D			
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Page No-143 , Item No-19.1 PWD SR 2018-19								
	For Rain water Harvesting Pits		6	3.14	1.21	2.50	56.99		
	For Plat form of Benches		22	2.50	1.20	0.30	19.80		
	For pipe line		6	23.00	0.60	0.75	62.10		
						Total	138.89		
						Schedule B Quantity	615.00		
						Quantity up to 125%	138.89	147.38	**20469.76**
						Quantity above 125%	Nil		
2	KSRRB M 100-6, Crushing of stone boulders of 150 mm size in an integrated stone crushing unit of 200 Tonnes per hour capacity comprising of primary and secondary crushing units belt conveyor and vibrating screens to obtain stone aggregates of 13.2 mm nominal size including cost of materials equipments labour etc complete MORTH 100/Chapter -1								
	KPWD S.R 2018-19	It. No.	17.80		Pg.No.	136			
	For Rain water Harvesting Pits		6	3.14	1.05	1.00	19.78		
						Total	19.78		
						Schedule B Quantity	300.00		
						Quantity up to 125%	19.78	904.67	**17896.18**
						Quantity above 125%	Nil		
3	KSRRB M 100-6, Crushing of stone boulders of 150 mm size in an integrated stone crushing unit of 200 Tonnes per hour capacity comprising of primary and secondary crushing units belt conveyor and vibrating screens to obtain stone aggregates of 40 mm nominal size including cost of materials equipments labour etc complete MORTH 100/Chapter -1								
	KPWD S.R 2018-19	It. No.	17.90		Pg.No.	136			
	For Rain water Harvesting Pits		6	3.14	1.00	0.50	9.42		
						Schedule B Quantity	150.00		
						Quantity up to 125%	9.42	812.84	**7656.95**
						Quantity above 125%	Nil		
4	KSRRB M 100-6, Crushing of stone boulders of 150 mm size in an integrated stone crushing unit of 200 Tonnes per hour capacity comprising of primary and secondary crushing units belt conveyor and vibrating screens to obtain stone aggregates of 20 mm nominal size including cost of materials equipments labour etc complete MORTH 100/Chapter -1								
	KPWD S.R 2018-19	It. No.	17.10		Pg.No.	136			
	For Rain water Harvesting Pits		6	3.14	1.00	0.50	9.42		
						Schedule B Quantity	150.00		

							Quantity up to 125%	9.42	910.34	**8575.40**
							Quantity above 125%	Nil		
5	KSRRB M-1200-46,Sand filling in wells complete as per drawing and technical specificationsincluding cost of all materials labour HOM form works,scaffolding and centering complete as per specifications MORTH Specifications No-1207									
	For Rain water Harvesting Pits		6	3.14	1.00	0.50		9.42		
							Schedule B Quantity	75.00		
							Quantity up to 125%	9.42	3001.96	**28278.46**
							Quantity above 125%	Nil		
6	Disposal of debris to the final place of disposal with all lead and lift and as direction of the Engineer incharge of the work lead 4 kms Basic Rate for Rs 2.00 Tonne/Km b) Avarage earth of work 1.28 Tonne/Km for Rs 2.00/Km c) Add Loading and un loading									
	KPWD S.R 2018-19	It. No.	17.10		Pg.No.	136				
	Quantity Vide Item No 1							138.89		
							Total Quantity	138.89		
							Schedule B Quantity	810.00		
							Quantity up to 125%	138.89	74.65	10368.21
							Quantity above 125%	Nil		
	EIRL Items									
EIR L-1	KRSB 4.1-2; Providing and laying in position plain cement concrete of mix M10 with OPC Cement @ 220 kgs with 40 mm and down size graded granite metal course aggregate @0.892 cum and fine aggregate @ 0.465 cum machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth including cost of all materials,labour,HOM of machinary, curing etc complete as per specifications No;KBS 4.1,4.2 (P-12 ,I-.4.2 PWD SR 2018-19)									
	Basic Rate Rs	5348.76								
	Area weightage @ 6 %	320.93								
	Total	5669.69								
		Sqm	22	2.50	1.50	0.15		12.38		
							Total Qty	**12.38**	**5669.69**	**70,162.36**
EIR L-2	KRSB 4-1.5; Providing and laying in position plain cement concrete of mix M20 with OPC Cement @ 300 kgs with 20 mm and down size graded granite metal course aggregate @0.64 cum and fine aggregate @ 0.43 cum with super plastisicer @ 3 ltr conforming to IS 9103 -1999 Reaffirmed -52008 machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth and cills including cost of all materials,labour,HOM of machinary, curing etc complete as per specifications No;KBS 4.1,4.2 (P-12 ,I-.4.5 PWD SR 2018-19)									
	Basic Rate Rs	5874.52								
	Area weightage @ 6 %	352.47								
	Total	6226.99								
		Cum	22	2.40	1.40	0.15		11.09		
							Total Qty	**11.09**	**6226.99**	**69,044.88**

	Providing and fixing granite benches including cost of materials labours as per specifications (Data Rate Approved)								
	Data Rate 18200.00/	Each							
		Nos	22				22.00		
							22.00	**18200.00**	**4,00,400.00**
	KSRB 4-6 4Providing and removing centering and shuttering strutting propping etc and removel of form work for vertical surface such as walls at any thickness including attached plasters ,buttresses plinth,cills and string courses including cost of materials labours as per specifications specification No;KBS 4.6.2 P-16, I-4.31 PWD SR 2018-19								
	Basic Rate Rs	379.48							
	Area weightage @ 6 %	22.77							
	Total	402.25							
		Sqm	44	2.50		0.30	**33.00**		
			44	1.50		0.30	**19.80**		
						Total Quantity	**52.80**	**402.25**	**21,238.74**
	Loading and Unloading Charges								
	Loading & unloading	57.00					138.89	69.80	9,694.6
	Lead 4 KM 2x1.28x4	12.80							
	Total	69.80							
	Quantity as Item no 1	cum	138.89						
	Providing and to wall, ceiling and floor high density polythene pipes 6.00 kgs/sq.cms working pressure of outside diameter raising mains and exposed distribution pipes with special flange compression type fittings wall clips making good the wall ceiling,floor,including cost of all materials labour charges HOM and testing complete as per specifications								
	KPWD S.R 2018-19	It. No.	13.73.5		Pg.No.	96			
	For Rain water Harvesting Pits	Mtr	6	28.00			168.00	630.70	105957.60
	Basic Rate Rs	595							
	Area weightage @ 6 %	35.70							
	Total	630.70							

Cost of RCC Pipes 120mm Dia NP3 pipes								
SOR Item No. 4	It. No	34.6.6		Pg.No.	254			
	Mtr	6	2.50			15.00	8933.68	134005.2
For Rain water Harvesting Pits	Mtr							
Basic Rate Rs	8428.00							
Add weightage @ 6 %	505.68							
Total	8933.68							
							Total Construction cost	9,03,748.34

Sanctioned Tender Amount RS	9,06,128.00
Modified Estimate Cost Rs	9,03,748.34
Savings Rs	2,379.66

Assistant Engineer
Ward 15
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

Technically Sanctioned for Rs. 9.03 lakhs/-
Rs. In words Rs. Nine lakhs three thousand Seven hundred & Forty eight only
Under ..... P-1771 .....
Job Code No. DLS-20:000012
Registered as CE No. 09/2022-23 subject to conditions points out in Engineering Memo
No. CE/D2/TS/09/2022-23 dt. 24/10/2022

AE/EE TA CE(D)